

## **REMARKS**

### ***Summary of Amendments***

5           Claim 4 has been amended to incorporate the limitations common between  
claims 5 and 6, to incorporate the limitations of claim 13, and to add a limitation to  
the recitation of the reaction-mixture circulating pump. Accordingly, claim 5 has  
been canceled and claim 6 has been amended to recite only the limitations  
additional over those added to claim 4.

10           Claim 8 has been canceled, as having depended from a now-canceled  
claim 5. Claim 13 has also been canceled, as have claims 14-17, which save for  
different dependencies were identical to claim 13.

15           Claims 1-3 are withdrawn as a result of Applicant's November 21, 2005  
election without traverse. Meanwhile, claims 7 and 9-12 remain in their original  
form.

20           In sum, claims 4, 6, 7, and 9-12 are currently pending.

### ***Specification***

25           The objection to the specification for containing a blank page, which  
appears in between the abstract and the first page of the drawings, is  
acknowledged. Nevertheless, Applicant respectfully requests that this objection be  
held in abeyance until allowable subject matter has been indicated in the present  
application.

30           The blank page is an artifact of this application having been filed by the  
USPTO's "PASAT" electronic filing system, which is two generations prior to the  
current Web-based EFS, and was riddled with such problems as producing  
unwanted blank pages. (It is believed that the only way to correct the problem of  
the blank page would be to file a substitute specification.)

### ***Claim Rejections - 35 U.S.C. § 103***

#### **1. Claims 4-17; combined disclosures in Haff et al. '413**

40           Claims 14-17 were rejected as being unpatentable over a combination of  
embodiments disclosed in European Pat. App. Pub. No. 0 636 413 A2.

          Claim 4 has been amended to recite:

45           a recirculation-path system through which the reaction mixture  
in the reaction-mixture tank is fed and guided, the recirculation-path  
system including a coiled heat-exchange section immersed into the  
denaturing isothermal tank, a coiled heat-exchange section  
immersed into the annealing isothermal tank, and a coiled

5           heat-exchange section immersed into the elongation isothermal tank,  
          the recirculation-path system therein being arranged to circuit from  
          and back to the reaction-mixture tank by way of the respective coiled  
          sections immersed into the denaturing, annealing and elongation  
          isothermal tanks and connected by intervening out-of-tank sections.

          In addition, claim 4 has been amended to recite that the denaturing,  
annealing and elongation isothermal tanks each include a heating and stirring  
devices.

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          On page 6, the Office action states,

          A practitioner of ordinary skill in the art would have recognized that  
coiled tubing could have been incorporated into the apparatus  
disclosed in Figure 1 of Haff et al. to control residence time of the  
reaction mixture in each temperature zone.

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          Nevertheless, it is respectfully submitted that the foregoing does not amount  
to a *prima facie* case of a motivation to combine to produce a device as now recited  
in claim 4—that is, of a unique combination of elements whose synergy leads to the  
non-obviousness of the present invention.

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          Claims 6, 7, and 9-12 should be held allowable as depending from a  
now-allowable base claim.

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2. Claims 4, 5 and 7-17 12 Corbett et al. '183 in view of Narang Medical Ltd.  
website

          Claims 4, 5 and 7-17 12 were rejected as being unpatentable over U.S. Pat.  
No. 5,270,183 to Corbett et al. in view of information available online at a Web  
address to Narang Medical Ltd.

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          The Office acknowledges that Corbett et al. do not teach the limitations of  
claim 6, and thus cites the Narang Medical Ltd. Web page. Nevertheless, it is  
respectfully asserted that the patentability of the present invention does not lie in  
the subject matter of claim 6, but in that of claim 4 as now amended. It is believed  
that claim 4 should be held allowable for the same reasons set forth in addressing  
the rejection over the Haff et al. reference.

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          Likewise, claims 6, 7, and 9-12 should be held allowable as depending from  
a now-allowable base claim.

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A response to this Office Action was due by May 8, 2006, and consequently a Petition for Extension of Time, along with fee transmittal and credit-card payment authorization forms, is attached hereto. Please consider this amendment as timely filed.

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Accordingly, Applicant courteously urges that this application is in condition for allowance. Reconsideration and withdrawal of the rejections is requested. Favorable action by the Examiner at an early date is solicited.

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Respectfully submitted,

June 8, 2006

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